STEINFURTH®
Electromechanical Measuring Systems

LCS 710 P LABORATORY CARBONATION SYSTEM

…Precise lab scale carbonation in single beverage samples

The quality enhancing properties of carbon dioxide are widely known within the beverage industry. Each beverage has its own specific content of carbon dioxide which taste and flavour are optimally developed.

Until now it has been complicated, requiring a lot of time & money to produce beverage samples with individual CO_2 content.

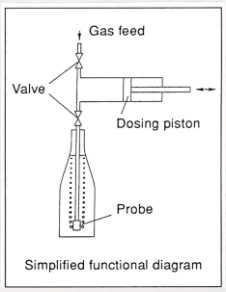
The LCS 710 P carbonates individual beverage samples with exactly pre-defined CO_2 content. This unit makes it possible to re-produce, easily & quickly samples for analysis.

The versatility of different carbonation settings helps to develop beverage samples for “sensoric” testing, what ensures that customer receive optimally created products.

BENEFITS:

- Cost savings during beverage development
- Simple adjustment for different bottle sizes
- Fully automatic function / Menu-driven input of bottle size and CO_2 value
- Automatically secured safety cage
- Very good repeatability of results
- Double dosing speed selectable
- High accuracy also with PET bottles and cans regardless of the temperature
- Automatic head space purging with CO2 gas
- Reduced foaming of the beverage samples
- Optimized automatic cleaning program
- Low maintenance effort by of automatic lubrication

OPERATION:



Simplified functional diagram

An injection probe is pushed into the test bottle.
To start, a pressure of approximately 6 bar is generated within the bottle. Two defined snift phases are used to remove the air (or other gases) from the package headspace.Through a dosing piston an exact pre-defined quantity of CO_2 will be added to the liquid.
Un-dissolved CO_2 will be “re-dosed” until it is absorbed completely by the liquid.

TECHNICAL DATA:

Bottle size (other on request):
Glass: up to 360mm height / 100 mm diameter
PET: up to 330mm height / 90 mm diameter
Dosing capacity: 0 to 10 g/l
(depend on temperature and solubility)
Accuracy: +/- 0.1 g/l
Max. Bottle pres.: 7 bar
Power supply: 230V / 50 Hz (115V / 60 Hz)
Dimensions: 560 x 610 x 280 (W x H x D)
Weight: 33 kg

Steinfurth Mess-Systeme GmbH
Elektromechanische Mess-Systeme
Bonifaciusring 15
45309 Essen
Deutschland
Telefon +49-201-85517-0
Telefax +49-201-85517-20
Internet: http://www.steinfurth.de
E-Mail: info@steinfurth.de

Steinfurth, Inc.
Electromechanical Measuring Systems
541 Village Trace
Bldg. 11, Suite 102
Marietta, GA 30067 USA
Phone +1-678-500-9014 & +1-404-918-5061
Telefax +1-678-840-7744
Internet: http://www.steinfurth.com
E-Mail: info@steinfurth.com

TÜV NORD CERT GmbH DIN EN ISO 9001